REMARKS

The present application contains claims 7-11, 13, 31-33, 35-54 and 57-59. Claims 31, 47, 52 and 57 have been currently amended. Claims 58 and 59 are new. Claims 55-56 were cancelled.

Applicants thank the Examiner for indicating claims 55 and 56 as being allowable if rewritten in independent form. Accordingly, claims 31 and 47 were amended to include the limitations of claims 55 and 56, respectively, and claims 55 and 56 were cancelled.

Claim 58 restates the limitations of claim 57 in dependent form depending from claim 31. Claim 59 and the amendments to claims 52 and 57 find support in the general description of the application, and particularly on page 7, lines 16-27:

"The processing decodes (and/or performs other processing on) the incoming raw data and provides the decoded data on an output 32 of server 20. The data accumulated from each channel must be processed within a predetermined time in order to prevent buffer 24 of its respective driver 22 from overflowing and to ensure proper handling of the connection by server 20. A scheduler 30, which is preferably run on processor 28, sets the order in which processor 28 schedules processing sessions to the connections, and optionally the durations of the sessions. It will be understood that the durations of the sessions for different connections may be different. Furthermore, the durations of sessions of a single connection in different cycles may be different.

Each connection preferably has an associated cycle time, such that in each cycle the connection receives a processing session."

and page 10, lines 8-9:

"Thus, if due to unexpected extreme changes in the processing times required by the connections, one of the connections suffers from starvation, it will then be a connection with lowest QoS."

Claims 52-54 and 57 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Oba et al. (US 6,262,986) in view of Adas et al. (US 6,614,794). The Examiner related particularly to Fig. 11a, Col. 15, lines 9-19 and col. 3, lines 52-60 of Oba.
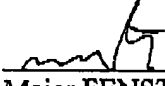
Although applicant is of the opinion that the claims are allowable, applicants amended the claims in order to further the application toward allowance. Claims 52 and 57 were amended to require that the connections have a constant data rate. In addition, claims 52 and 57 were amended to require that the scheduling of the processor does not change the data rate of the connections, and the chance of data loss of at least one of the connections does change.

In Oba, the change in the weight (col. 15, lines 9-15) of a connection, referred to by the Examiner as a change in QoS, affects the data rate of the channel (col. 5, lines 49-51) and does not affect the chance of data loss, as for a fixed data rate connection Oba ensures the transmission of cells without violation (col. 1, lines 31-45).

Applicants note that Adas was presented by the Examiner only with respect to the use of a remote access server, and does not relate to adjusting the order of scheduling processes according to QoS, as required by claims 52 and 57.

In view of the above remarks, applicants submit that the claims are patentable over the prior art. Allowance of the application is respectfully awaited. If the Examiner does not agree regarding one or more of the claims, but is of the opinion that a telephone conversation may forward the present application toward allowance, applicants respectfully request that the Examiner call the undersigned at 1 (877) 428-5468. Please note that this is a direct *toll free* number in the US that is answered in the undersigned's Israel office. Israel is 7 hours ahead of Washington.

Respectfully submitted,
Arnon NETZER, et al.

Maier FENSTER
Reg. No. 41,016

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William H. Dippert, Esq.
Reed Smith LLP
599 Lexington Avenue, 29th Floor
New York, NY 10022-7650